

**PROJECT NAME: IN076 ICTC– REPLACE BACKUP CHILLER & UPS UNITS**  
**OWNER NAME: INDIANA UNIVERSITY**  
**IU PROJECT NO. 20231522 / CES PROJECT NO. 2024-007.ICT**  
**ADDENDUM NO. 1**  
**DATED: NOVEMBER 13, 2024**

This Addendum consists of 5 Addendum pages and 2 attachment pages totaling 7 pages. This Addendum shall supplement, amend, and become part of the Bid Documents. All Bids shall be based on these modifications. Bidders shall acknowledge the receipt of this addendum on their Bid Form.

**BIDDER QUESTIONS AND ANSWERS:**

1. Question: Is temporary heating and cooling systems required of the bidding contractor?
  - a. Answer: No. The contractors will not be required to provide temporary heating or cooling systems.
  
2. Question: What are the requirements for project phasing?
  - a. Answer: The contractor will be responsible for establishing a work phasing plan and will submit the plan to the owner and engineer for review prior to project mobilization. The contractors plan should minimize down time of the critical systems including existing building management system.

**PART 1 - CHANGES TO THE PROJECT MANUAL**

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

**1.1 DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS**

**A. Document 000000 “NOTICE TO BIDDERS”**

1. MODIFY Subparagraph Bid Date as follows:  
“Revise bid date to: December 4, 2024 at 2PM”

**PART 2 - CHANGES TO THE DRAWINGS**

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

**2.1 M-SERIES DRAWINGS**

**A. Drawing Number MH101**

1. DELETE AND REPLACE Drawing in its entirety.

**2.2 E-SERIES DRAWINGS**

**A. Drawing Number ED101**

1. DELETE AND REPLACE Drawing in its entirety.  
Added note to remove heat tracing to chiller.

**END OF ADDENDUM NO. 1**

**PRE-BID ATTENDANCE**

The following Pre-Bid Sign-In Sheet is being made available to Bidders for informational purposes only and is not a part of the Addendum.

## NOTICE TO BIDDERS

Notice is hereby given that electronic bids will be received:

By: The Trustees of Indiana University  
Bloomington, Indiana

For: IN076 ICTC Building Chiller Replacement and UPS Replacement  
Indiana University Indianapolis. IU 20231522

At: Office of the Vice President for Capital Planning and Facilities

In accordance with Indiana Code 4-13-18 Drug Testing of Employees of Public Works  
Contractors and IC 5-16 Public Works

Via electronic bid submission on [www.iuplanroom.com](http://www.iuplanroom.com). Bidders must be registered on  
the plan room, and signed into the plan room, in order to submit a bid.

Bids will be electronically opened via Zoom: <https://iu.zoom.us/j/82623978895>  
Meeting ID: 826 2397 8895  
Join By Telephone: 312-626-6799

Until: 2:00 P.M. Eastern Time, on December 4, 2024.

Bids received after that time will not be accepted. Bid results will be published on  
[www.iuplanroom.com](http://www.iuplanroom.com).

A Unified Bid is requested for all work in this project, including General, Mechanical, and  
Electrical Construction work.

See project specifications for electronic bid submission instructions.

All bid proposals shall be in full accord with the Bidding Documents, which are on file with the  
Owner and may be examined by prospective Bidders:

VPCPF Support Resources – Construction Procurement  
Indiana University  
[bidtab@iu.edu](mailto:bidtab@iu.edu)  
812-855-5294

Bidding documents will be available October 31, 2024. Please contact the Eastern Engineering  
Distribution Department, 9901 Allisonville Road, Fishers, Indiana 46038, Ph. 317-598-0661,  
[www.iuplanroom.com](http://www.iuplanroom.com) for deposit and purchase information.

Each bid must be accompanied by:

- a completed Minority, Women's and Veteran's Business Enterprise Participation Plan,  
detailing the good faith efforts of the contractor to include minority, women and veteran-  
owned enterprises as subcontractors or material suppliers on the Project;

- a bid security for 5% of the total bid; and
- the contractor's written drug testing program, which must be in full compliance with IC 4-13-18.

The Owner reserves the right to accept or reject any bid and to waive any irregularities in bidding. The Owner may consider a bid to be incomplete if it does not provide the required documentation as described in this Notice, including but not limited to the Minority, Women's and Veteran's Business Enterprise Participation Plan. The Base Bid may be held for a period not to exceed sixty days before awarding Contracts. All Alternate Bids may be held for a period not to exceed ninety days before award and incorporation into the contract by proper Change Directive.

Should a successful Bidder withdraw his bid or fail to execute a satisfactory Contract within 10 days after notice of acceptance of bid, the Owner may declare the Bid Security forfeited as liquidated damages, not as penalty.

A Pre-bid meeting is scheduled for 1:00 pm Eastern Time, on November 5, 2024. All interested parties should assemble at 535 W. Michigan St., Main Lobby on the Indiana University Indianapolis campus.

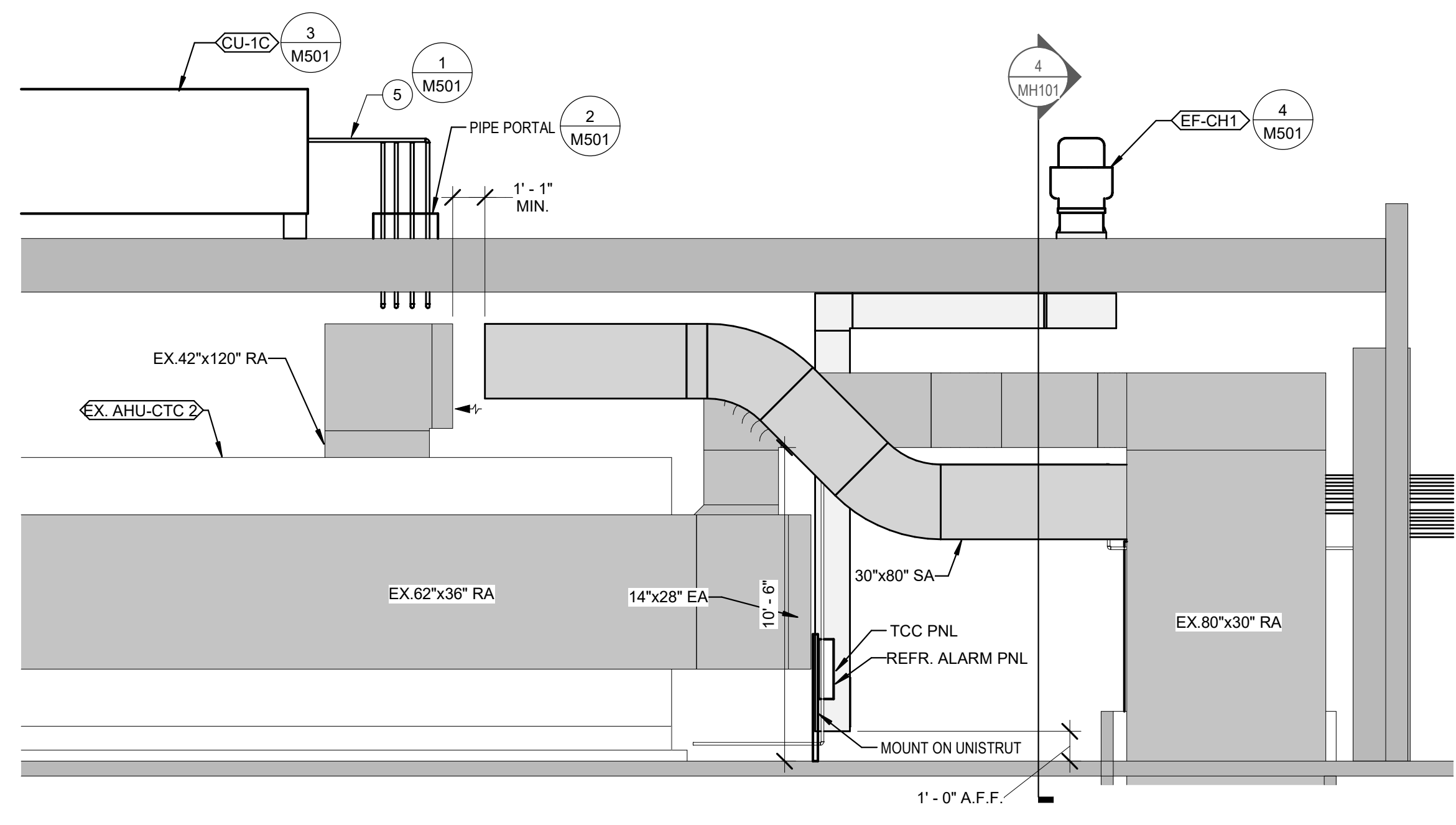
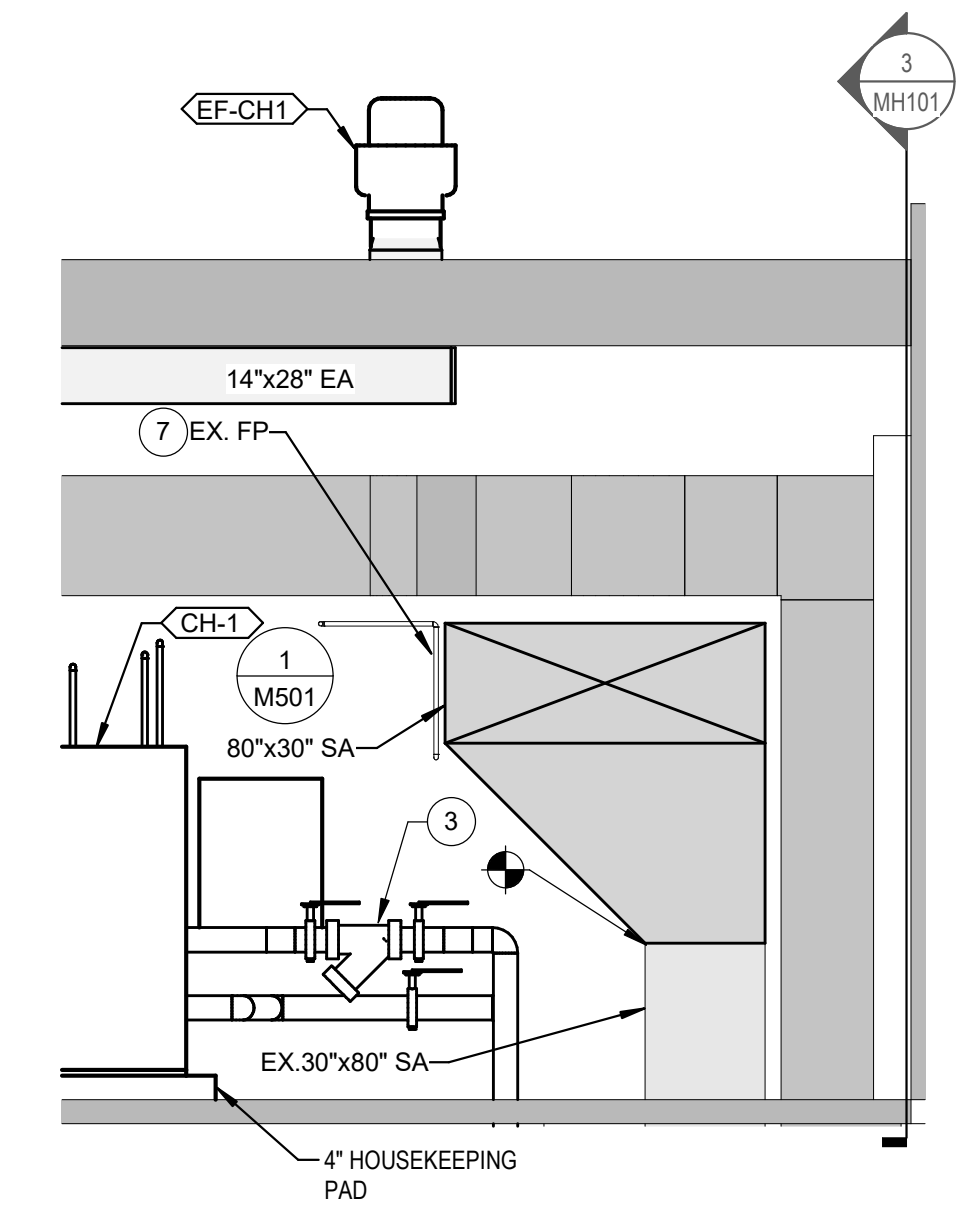
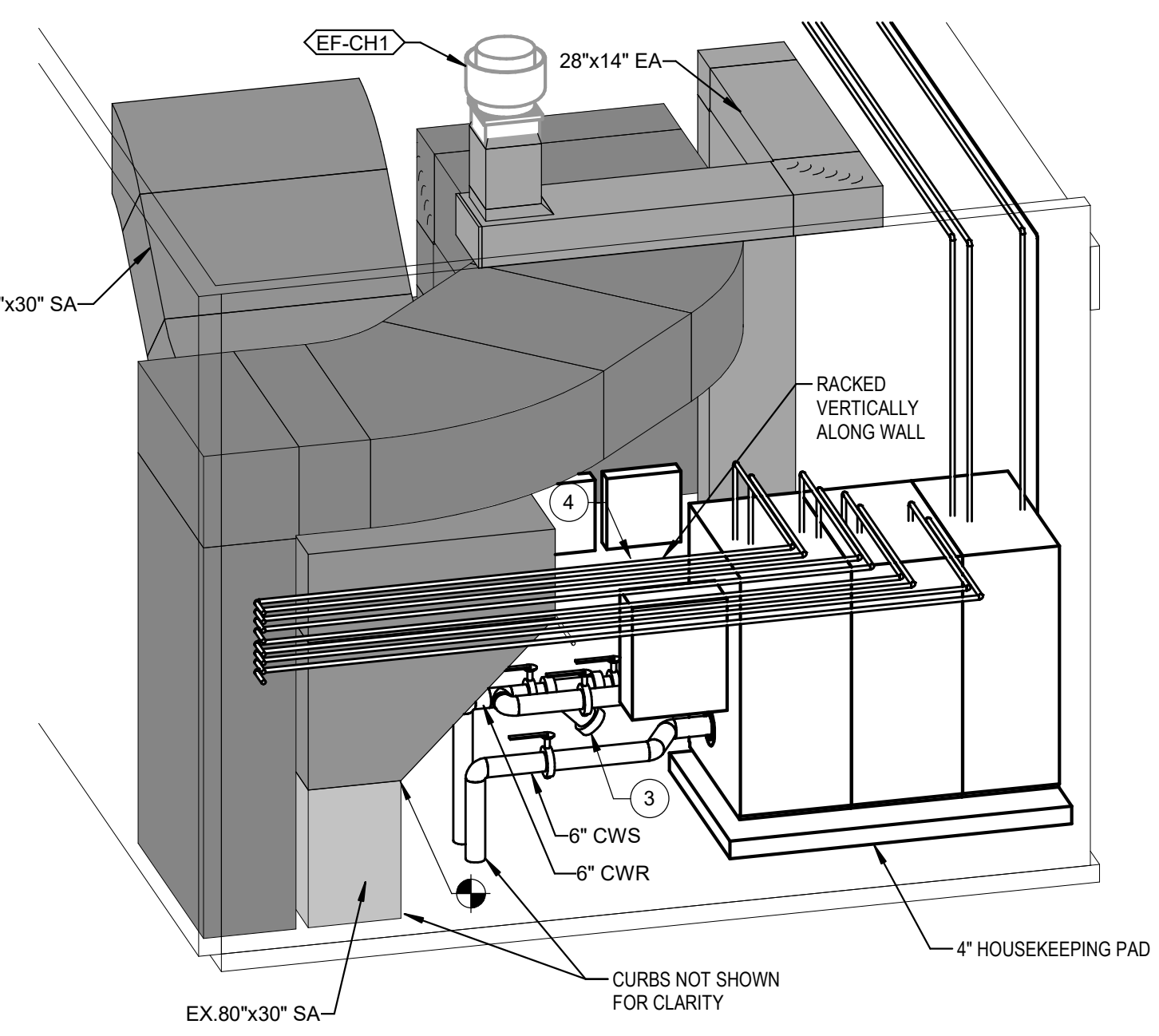
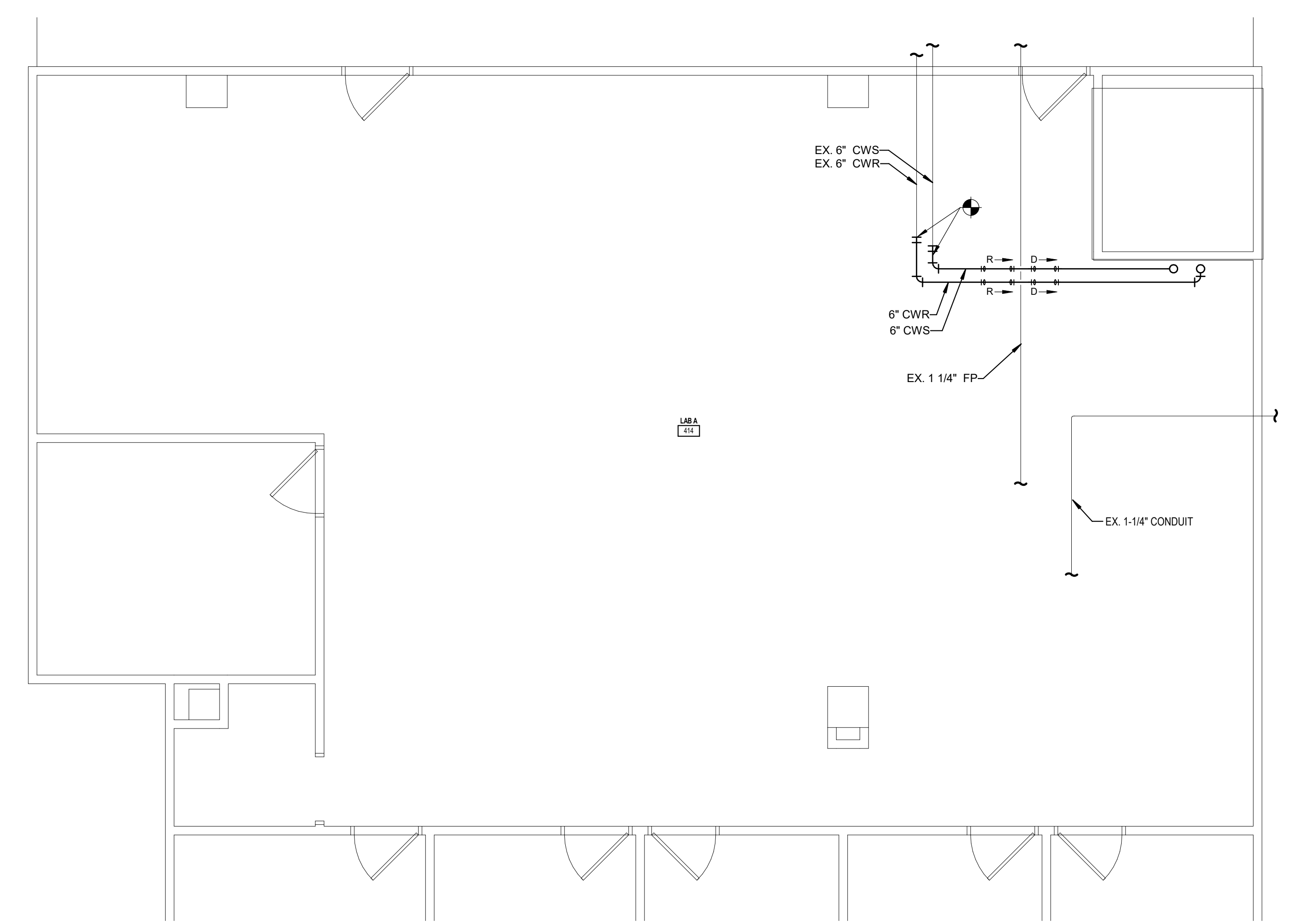
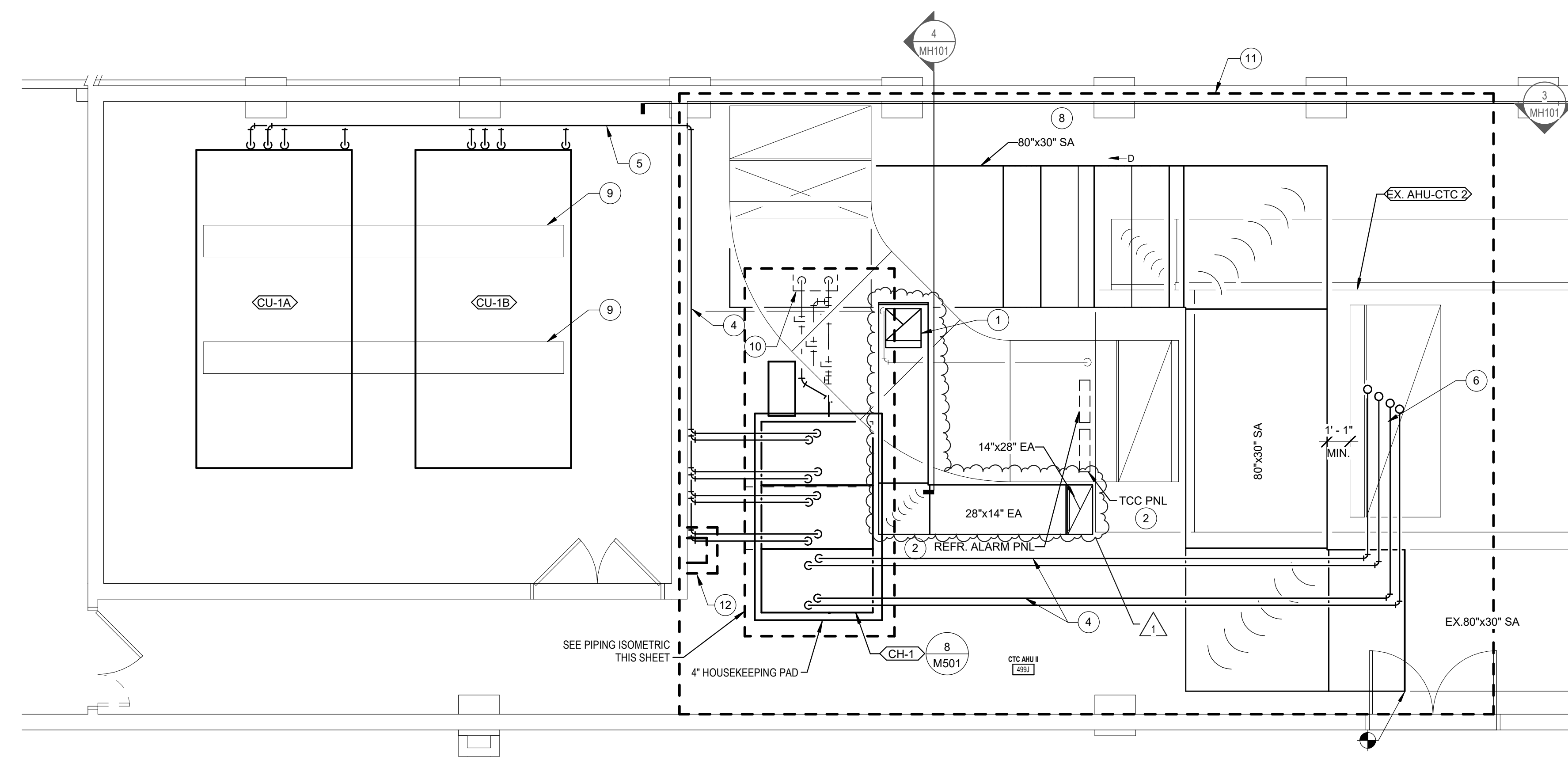
IN076 ICTC Building Chiller Replacement and UPS Replacement  
Indiana University Indianapolis  
IU 20231522

**GENERAL PIPING NOTES**

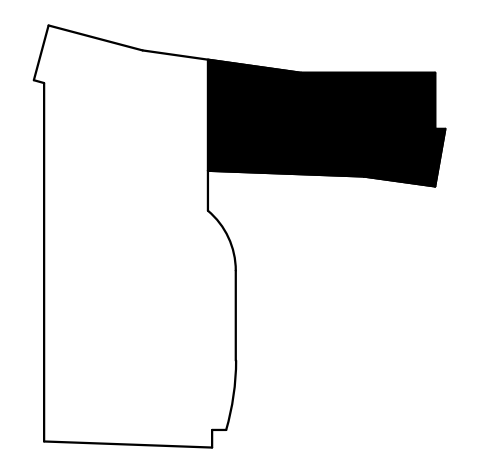
- A. DARK LINES INDICATE NEW WORK.
- B. LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
- C. PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
- D. NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.

**MECHANICAL COMBINED PLAN NOTES**

- 1. 20"x18" EXHAUST DUCT UP TO EF-CH1 ON ROOF.
- 2. MOUNT PANEL ON UNISTRUT.
- 3. PROVIDE 8" STRAINER EQUAL TO TITAN MODEL# Y588-CI. PROVIDE WITH 30 MESH FILTER AND HOSE CONNECTION FOR BLOWDOWN.
- 4. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR ROUTING AND SIZING OF REFRIGERANT LINES.
- 5. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR ROUTING AND SIZING OF REFRIGERANT LINES. PROVIDE FIELD APPLIED ALUMINUM JACKET OVER INSULATION ON ALL EXTERIOR PIPING.
- 6. ROUTE REFRIGERATION LINES UP THRU PIPE PORTAL TO CU-1C ON ROOF.
- 7. FIELD VERIFY EXACT LOCATION, REROUTE TO MISS NEW DUCTWORK AS REQUIRED.
- 8. ROUTE DUCT TIGHT TO BOTTOM OF ROOF.
- 9. SEE STRUCTURAL SERIES DRAWINGS FOR EQUIPMENT RAIL WORK.
- 10. PROVIDE CURB AROUND PIPE PENETRATIONS THRU FLOOR. CONNECT AND MATCH HEIGHT TO EXISTING CURB FOR DUCT.
- 11. MODIFY FIRE PROTECTION SPRINKLER SYSTEM AS REQUIRED BY NEW EQUIPMENT AND DUCT LAYOUT THIS AREA.
- 12. PROVIDE NEW CURB AROUND EXISTING CONDUIT PENETRATIONS THRU FLOOR. CONNECT AND MATCH HEIGHT TO EXISTING CURB ALONG WALL.



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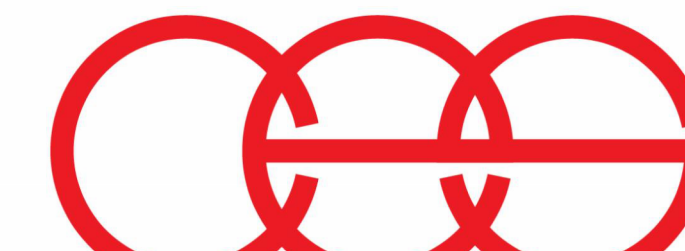
**KEY PLAN**

#	REVISION	DATE
1	ADDENDUM 1	11/13/2024

JOB NO. 2024-007.ICT  
PRODUCED BY CSM  
DATE 10/29/2024

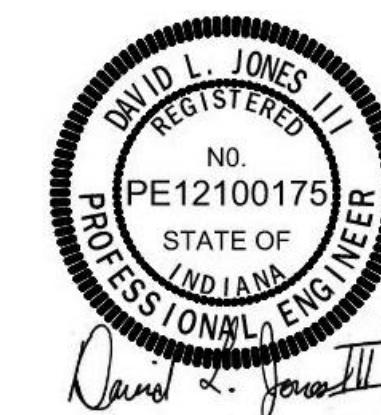
**MECHANICAL PLANS**

11/13/2024 11:41:38 AM  
 PROJECT: INDIANAPOLIS UNIVERSITY - INDIANAPOLIS  
 DRAWING: MECHANICAL PIPING FIFTH FLOOR PLAN  
 DESIGNED BY: GABRIEL S. CURBER  
 CHECKED BY: GABRIEL S. CURBER  
 DATE: 11/13/2024



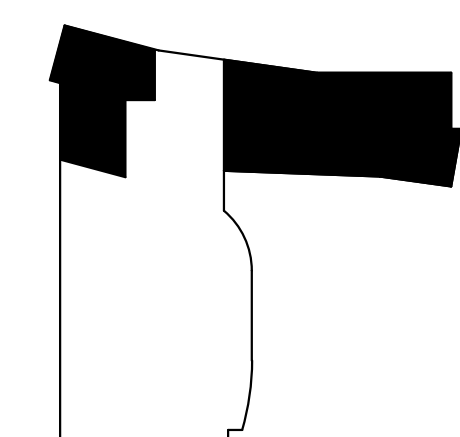
creative engineering solutions  
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**DELV**  
DESIGN



20231522 - IN076 ICTC - REPLACE BACKUP  
CHILLER & UPS UNITS  
INDIANA UNIVERSITY - INDIANAPOLIS  
535 W. Michigan St.  
Indianapolis, IN 46202

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KEY PLAN

#	REVISION	DATE
1	ADDENDUM 1	11/13/2024

JOB NO. 2024-007-ICTC  
PRODUCED BY BJW / DLJ  
DATE 10/23/2024

ELECTRICAL DEMOLITION  
PLANS

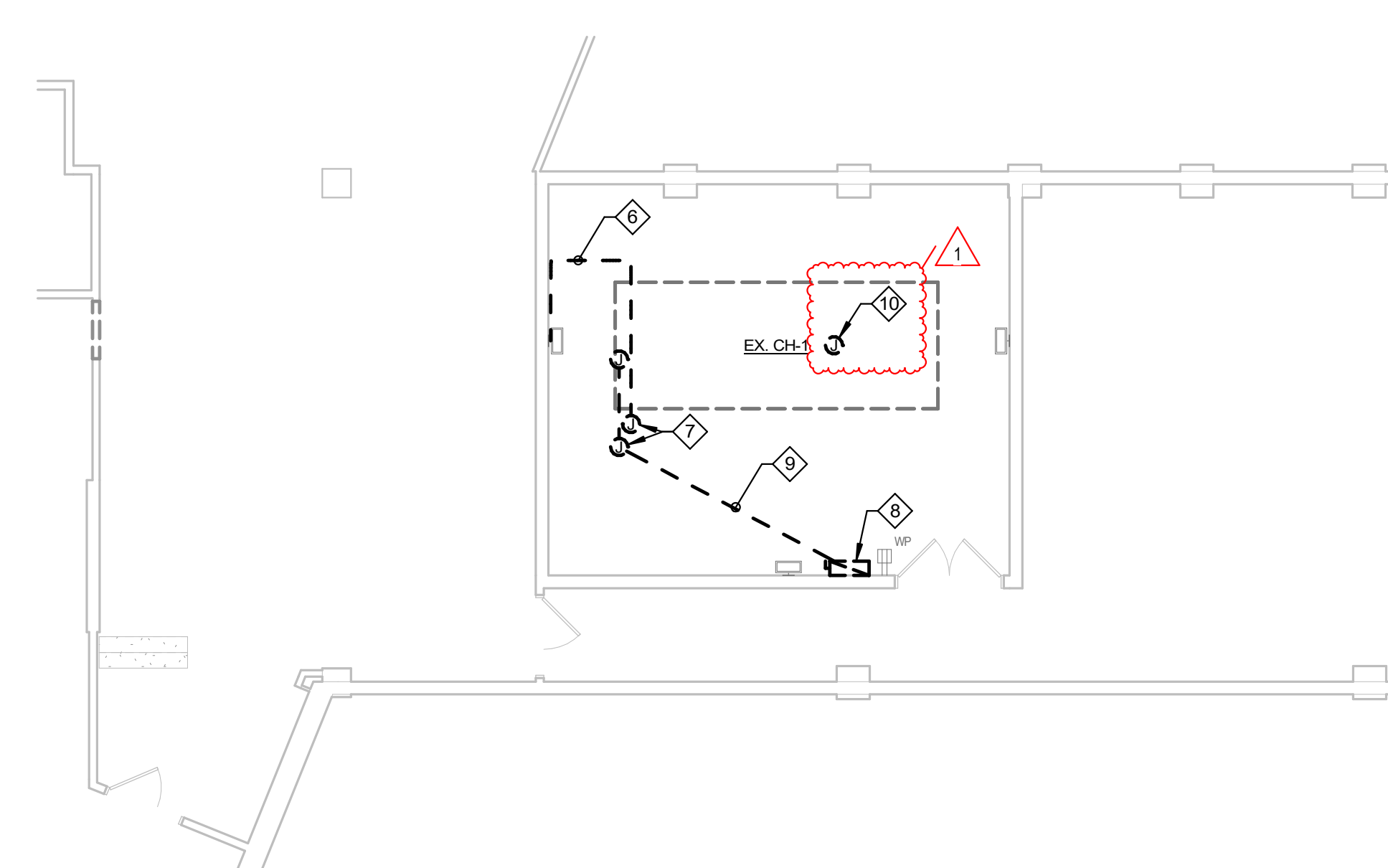
ED101

**GENERAL DEMOLITION NOTES**

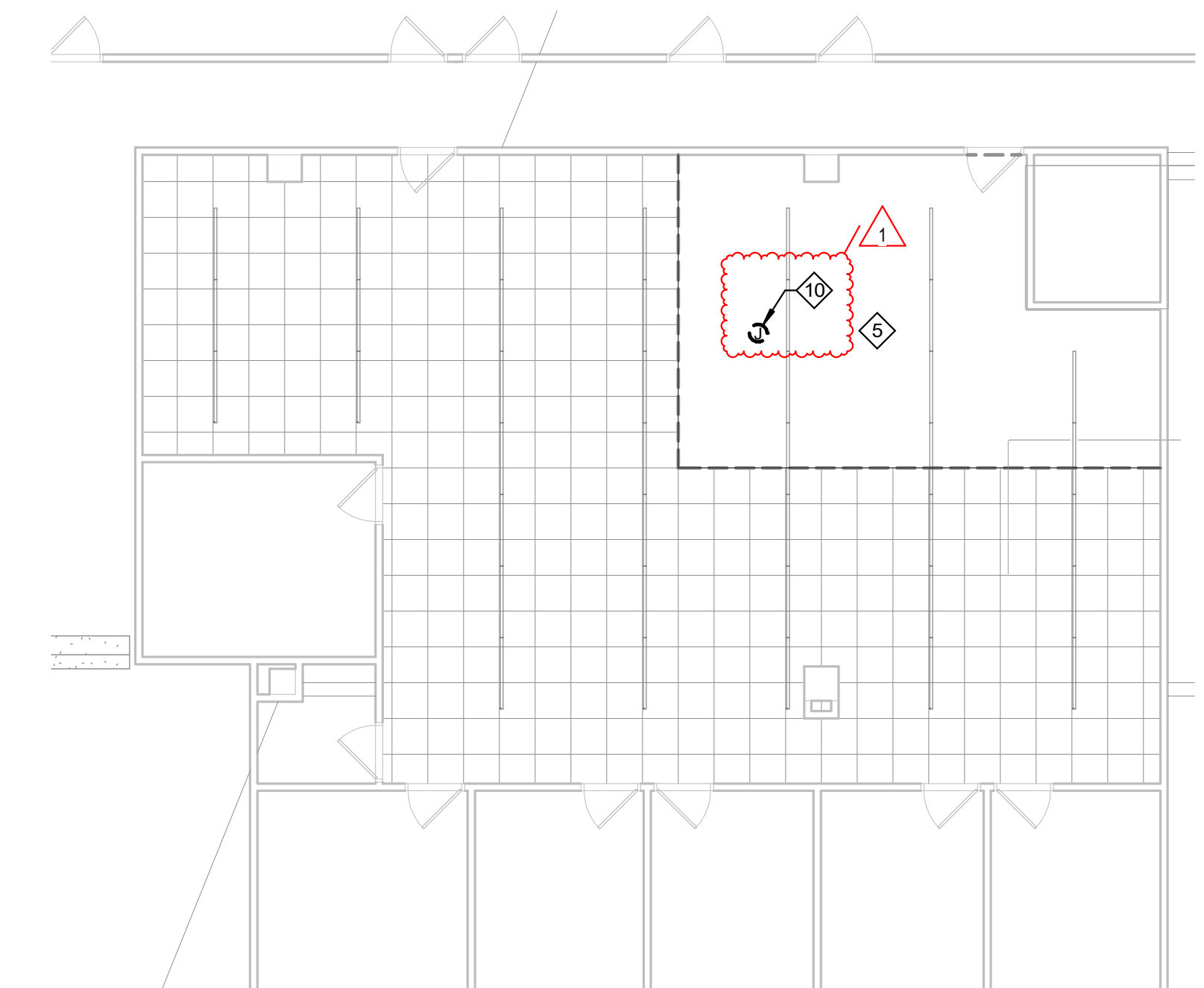
- A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
- B THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. VERIFY BY ON-SITE OBSERVATION THE EXTENT OF WORK PRIOR TO SUBMISSION OF BID.
- C CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND ARE MEANT TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- D THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.
- E THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED ELECTRICAL EQUIPMENT.
- F ALL ELECTRICAL ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.
- G REMOVE ALL ELECTRICAL ITEMS SHOWN WITH BOLD/DASHED LINEWORK COMPLETE.
- H COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.
- I PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS.
- J PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL, TREATMENTS, PATCH THE EXISTING OPENING.
- K REFER TO M AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.

**DEMOLITION PLAN NOTES**

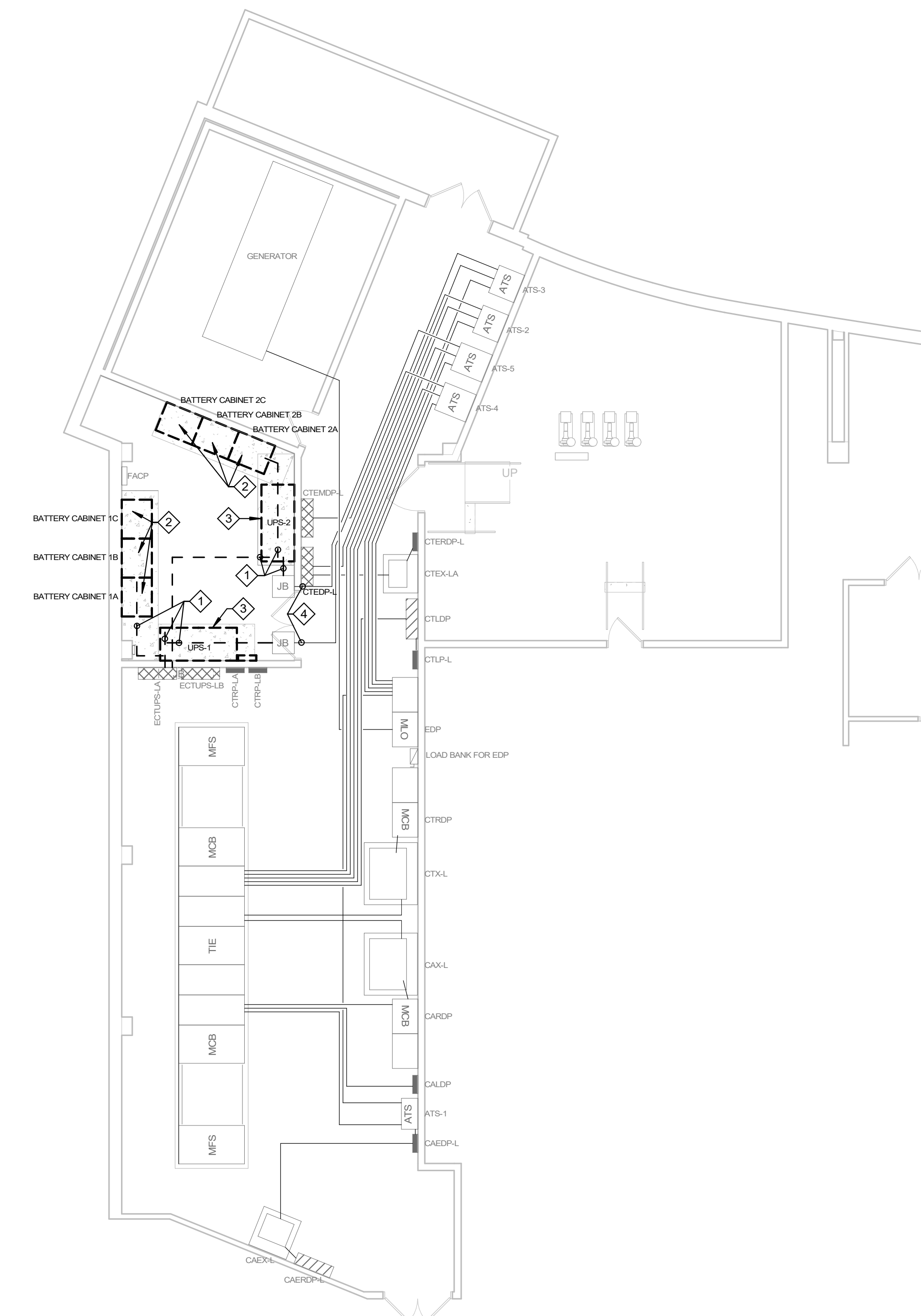
- 1 REMOVE CONDUIT AND CONDUCTORS AS INDICATED INCLUDING CONDUIT SUPPORTS.
- 2 REMOVE BATTERY CABINETS. REMOVE ANCHORS FLUSH WITH EXISTING CONCRETE.
- 3 REMOVE UPS CABINET. REMOVE ANCHORS FLUSH WITH EXISTING CONCRETE.
- 4 REMOVE CONDUCTORS BACK TO ATS. MAINTAIN CONDUIT AND SUPPORTS FOR REUSE. BORE CLEAN CONDUIT.
- 5 MAINTAIN CEILING MOUNTED DEVICES FOR CEILING REMOVAL.
- 6 REMOVE CONDUIT AND CONDUCTORS INCLUDING CONDUIT SUPPORTS BACK TO JUNCTION BOX PAST ROOF PENETRATION.
- 7 REMOVE ROOF PENETRATION AND BOOT.
- 8 REMOVE DISCONNECT PATCH WALL. PAINT TO MATCH EXISTING SURFACES.
- 9 REMOVE CONDUIT AND CONDUCTORS INCLUDING CONDUIT SUPPORTS FROM DISCONNECT BACK TO SOURCE.
- 10 DISCONNECT POWER CONNECTION TO CHILLER HEAT TRACE. REMOVE CONDUIT AND CONDUCTORS AND SUPPORTS BACK TO SOURCE. PATCH ROOF.



**3 ELECTRICAL DEMOLITION FIFTH FLOOR PLAN**  
1/8" = 1'-0"



**2 ELECTRICAL DEMOLITION FOURTH FLOOR PLAN**  
1/8" = 1'-0"



**1 ELECTRICAL DEMOLITION GROUND FLOOR PLAN**  
1/8" = 1'-0"

DELV, ELECTRICAL DEMOLITION PLAN  
 PROJECT: INDIAN UNIVERSITY - INDIANAPOLIS  
 DRAWING NO: 20231522-001-ED101  
 DATE: 10/23/2024

### Meeting Sign-In Sheet

<b>Project:</b>	20231522: IN076 ICTC – Replace Backup Chiller and UPS Units	<b>Meeting Date:</b>	11/5/2024
<b>Facilitator:</b>	Indiana University	<b>Place/Room:</b>	Main Lobby

Name	Title	Company	Cell	E-Mail
Name 1	Title	Company	Phone	Email
Tom Hall		Irish	317 306 1357	thall@Irish Mechanical Services
MIKE WISE		IRISH	317 306-9744 317 313	MWISE@IRISHMECHANICAL SERVICES.COM
David Moran		Indiana Electrical	6450	dmoran@indyelectric.net
John Russell		Indiana Electric	317 935 6699	JRUSSELL@INDIANA ELECTRICAL SERVICES.COM
Shane Creech		IV-CFS	278 1414	greensd@iu.edu
Aann Johnson		HFI	317-490-8391	ajohnsm@harrell-fish.com
Bob Tormoehla		BAS-CFS	317-278-6688	wtormoeh@iu.edu
ANDREW SMITH		DEEM	317 223 9228	ANSMITH@DEEMFIRST.COM
Joe McRae		DEEM	(317) 277-6662	jmcrae@deemfirst.com
JARED EBERHARDT		DEEM	317 605 1589	JEERHARDT@DEEMFIRST.COM
Nick Proff. H		Deem	317-650-6661	NProff.H@Deemfirst.com
Eric Boy		IU	812 322-9331	egoy@iu.edu
Ryan Cox	CM	IU	(317) 513- 9730	ryalcox@iu.edu
KEVIN MCKENNA		IU		
Jonathan Robinson	Sr. Mech. Engineer	CES	(317) 525- 1716	jrobinson@creativeng.net

